

We are committed to providing [accessible customer service](#).
If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).
Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).

2-56488

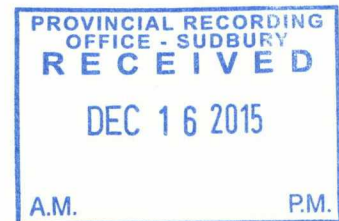
MAGNETOMETER SURVEY REPORT

NAMEIGOS PROPERTY

NAMEIGOS TOWNSHIP
DISTRICT OF ALGOMA
ONTARIO

FOR

DAN PATRIE EXPLORATIONS LTD.



L.D.S. Winter, P.Geo.

15 December 2015

TABLE OF CONTENTS

1. Introduction
2. Property Description
3. Location and Access
4. Regional Geology
5. Instrumentation and Work Done
6. Results, Nameigos Township Grid
 - 6.1 Magnetic Survey
7. Summary and Conclusions
8. Personnel
9. Expenditures

Certificate of Qualification

LIST OF FIGURES

- Figure 1: Location Map
- Figure 2: Property Map – Mining Claims and Grid
- Figure 3: Regional Geology
- Figure 4: Total Field Magnetics

APPENDICES

- Appendix 1: Geophysical Survey Equipment Specifications

1. INTRODUCTION

Dan Patrie Exploration Ltd. carried out a magnetometer survey covering 43.525 line-km on 2 claims of the Nameigos Township Property in Nameigos township, District of Algoma Ontario. The work program was carried out during the period 23 November 2015 to 30 November 2015 inclusive. 2015. The following report describes the Property and describes the work done during the current program and the results obtained.

Metric units and Canadian dollars are used throughout this report unless otherwise stipulated.

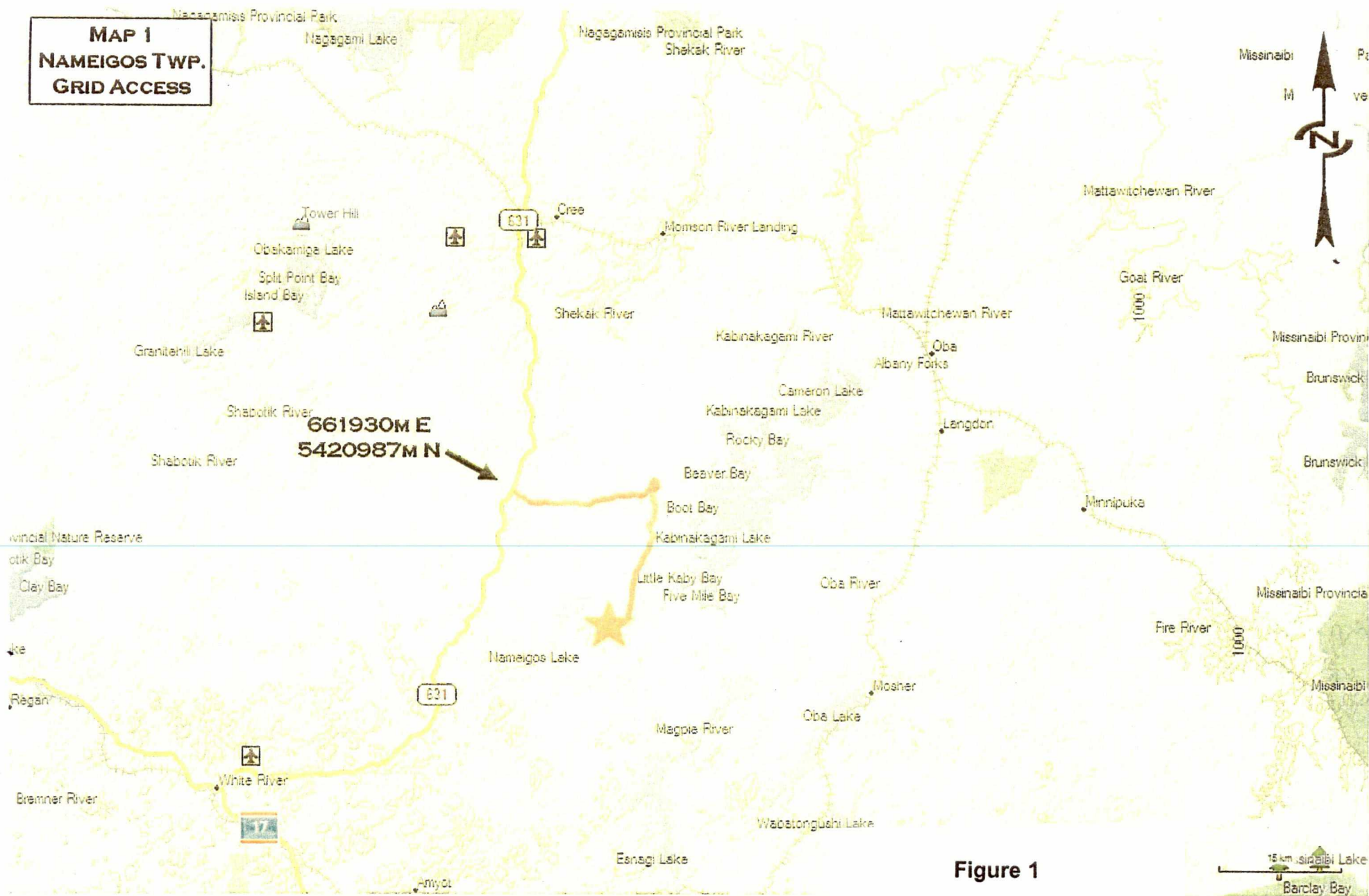
2. PROPERTY DESCRIPTION AND LOCATION

The Property is located in Nameigos Township approximately 6 kilometres southeast of Nameigos Lake (UTM co-ordinates 674500mE and 5406000mN (Figure 1). The Property is within the Sault Ste Marie Mining Division and the District of Algoma Ontario.

The Property consists of 2 contiguous active mining claims containing a total of 28 units covering 448 ha as shown in Figure 2 and as described in Table 1. The current work program was carried out on claims 4265038 and 4265039.

TABLE 1

NAMEIGOS	<u>4265038</u>	2013-Oct-17	2015-Dec-16	A	100 %	\$ 6,400
NAMEIGOS	<u>4265039</u>	2013-Oct-17	2015-Dec-16	A	100 %	\$ 4,800



LOCATION AND ACCESS

GRID TOTAL 43.525KM

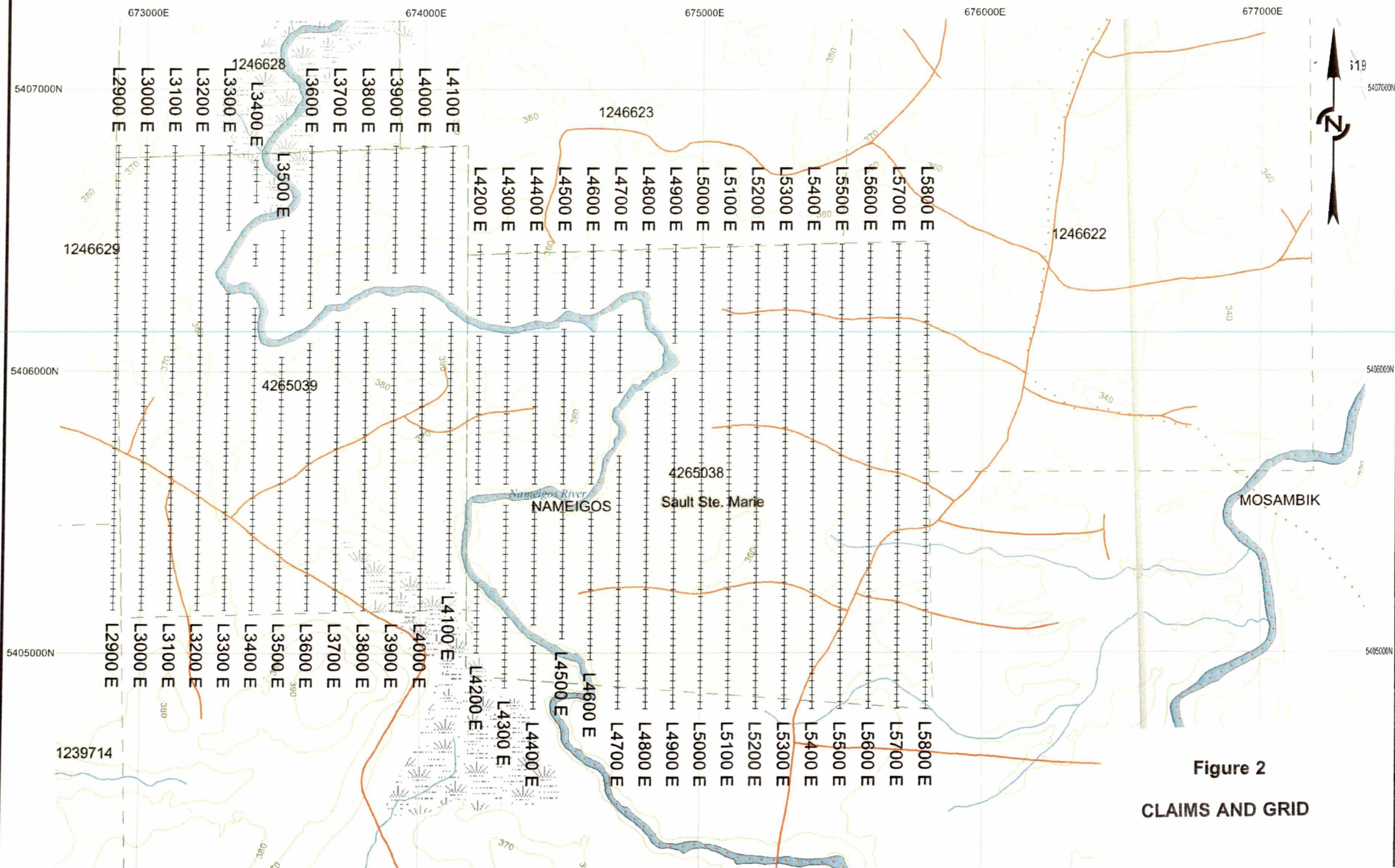


Figure 2
CLAIMS AND GRID

3. LOCATION AND ACCESS

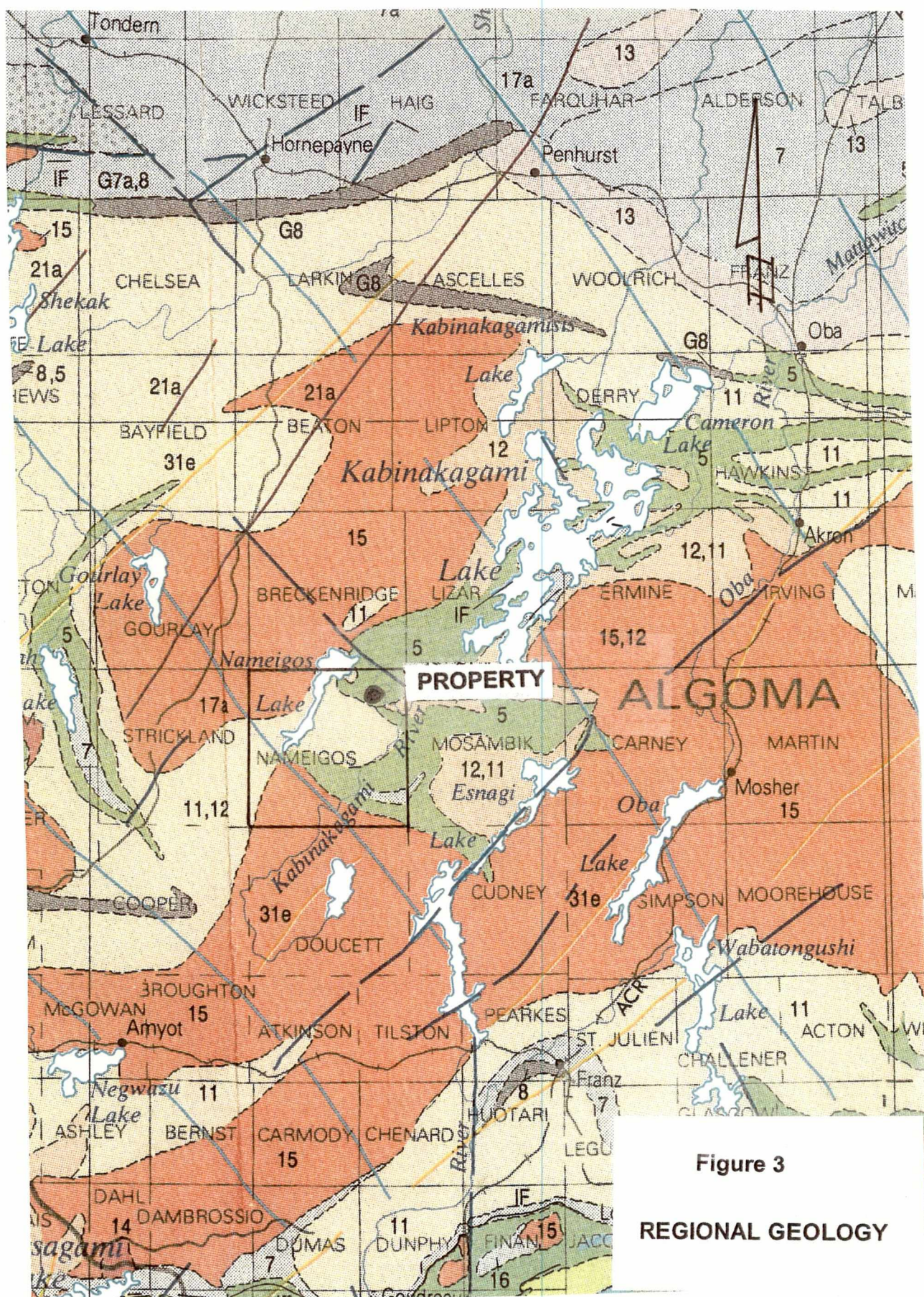
Access to the Property is by way of Provincial Highway 17 to White River, Ontario. From here, a secondary Provincial Highway 631 leads north to Hornepayne. At about 60 km from White River the Breckenridge road leads east 20 km to the Haken road and then south 18 km to claim 4265038 and the grid.

4. REGIONAL GEOLOGY

On a regional basis the Property is located in the southwestern end of an approximately 100 km long, arcuate shaped (convex to the north) Archean age greenstone belt located within the Superior Province of the Canadian Shield. The main lithological units within the greenstone belt are mafic to intermediate metavolcanic flows and pyroclastics with minor sedimentary rocks including chert and iron formation. These units have been folded, faulted and intruded by a suite of rocks of tonalitic composition that are foliated to gneissic. In the southwestern end of the greenstone belt, the adjacent country rocks are dominantly massive granodiorite and granite with some tonalitic phases. Proterozoic age (Keweenaw) mafic dykes trending northeasterly are present in the southwestern part of the area (Figure 3).

5. INSTRUMENTATION AND WORK DONE

The total field magnetometer survey on the Nameigos Township Grid was carried out between 23 November and 30 November 2015 (inclusive). Lines were spaced at 100 m with a total of 43.525 line-km being surveyed (Figures 2 and 4)



The total field magnetometer survey was carried along GPS and compass lines with readings being taken at 25 metre intervals.

The magnetometer survey was carried out using an Envi Magnetometer made by Scintrex Ltd. The Envi Mag has the capability to measure the total field combined with an Envi Magnetometer as a base station for correcting magnetic diurnal drift. These are total field magnetometers which measure the magnetic field through the use of proton precessional effects caused by the interaction of a magnetic field with a spin aligned, proton rich fluid (Appendix 1).

An instrument accuracy precision and resolution of 0.1 nt may be obtained with these instruments under ideal conditions. While in gradient mode which was not done at this time, the unit has the means of measuring both the total field and the gradient of the total field with two sensors simultaneously. In gradient mode, the instrument sharply defines the magnetic responses determined by the total field. It individually delineates closely spaced anomalies rather than collectively identifying them under one broad magnetic response. Also, when doing a gradient survey the instrument enables one to conduct a gradient survey during a magnetic storm because the technique of simultaneously measuring with the two sensors cancels out the effects of diurnal magnetic variations.

Microprocessors contained in these instruments allow for the collection of the readings along with the time and its position in digital form suitable for downloading to a computer for data processing.

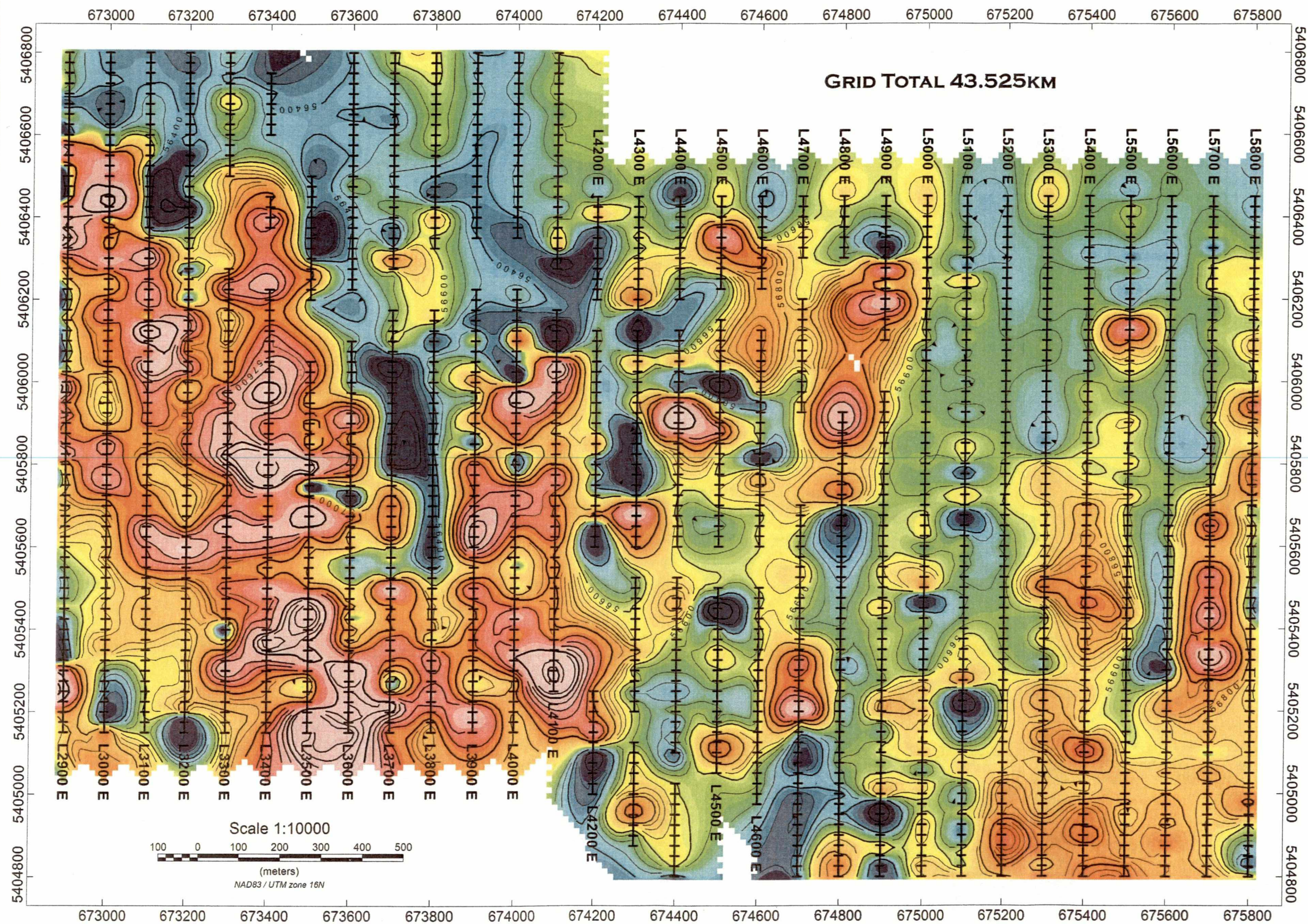
6. RESULTS, NAMEIGOS TOWNSHIP GRID

6.1 MAGNETIC SURVEY

A total of 43.525 line-km of survey was completed along lines spaced at 100 m with the values plotted in the "Total Field Magnetics" map.(Figure 4). The range of values is from a low of approximately 56200 nT to a maximum of 58000+.

The most prominent highs occur in a northwest trending zone extending from the southern boundary of claim 4265039 at line 42+00E and then northwest to the western claim line.. This high covers approximately the southwestern half of the claim. From line 42+00E and the south claim line a number of small highs trend northeasterly. In the southeastern and eastern part of claim 4265038 magnetic highs due to values in the 56800nT to 57000 nT show, at least in part, a northerly trend.

There is no geological map of the property, however, the regional map shows the area to be underlain by metavolcanics. So at this point the magnetic patterns are considered to represent various metavolcanic units and/or associated intrusives.



Dan Patrie Exploration Ltd.

Nameigos Twp. Grid
Total Field Magnetics

Figure 4

7. SUMMARY AND CONCLUSIONS

A ground magnetometer survey was completed during the period from the 23 November 2015 to 30 November 2015 over 2 claims of the Nameigos Township property. It is considered that the magnetic patterns probably represent a suite of metavolcanic units. To further evaluate the property a program of geological mapping and prospecting is recommended.

8. PERSONNEL

The magnetometer survey was carried out by Dan Patrie Exploration Ltd., Massey, Ontario using the following personnel.

Gab Roy Elliot Lake and James Henderson, Massey

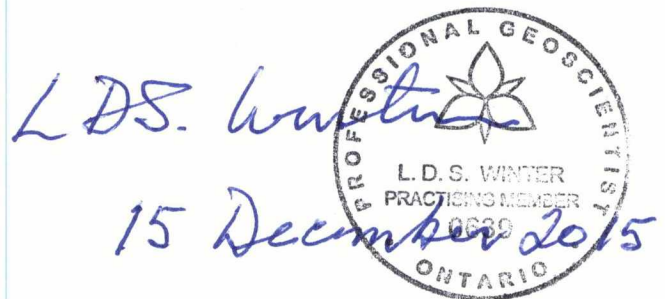
9. EXPENDITURES

The expenditures to carry out the recently completed exploration program are:

1.	Magnetometer Survey, 43.525 km @ \$250/km	\$ 10 881
2.	Report	750
3.	Mob, Demob and Data Processing	<u>2400</u>

Total * \$ 14 031

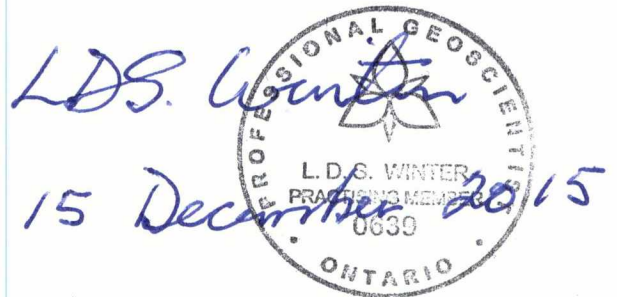
* Does not include HST @ 13%



L.D.S. Winter
1849 Oriole Drive, Sudbury, ON P3E 2W5
(705) 560-6967
(705) 560-6997 (fax)
email: winbourne@bellnet.ca

CERTIFICATE OF AUTHOR

1. I am currently an independent consulting geologist.
2. I graduated with a degree in Mining Engineering (B.A.Sc.) from the University of Toronto in 1957. In addition, I have obtained a Master of Science (Applied) (M.Sc. App.) from McGill University, Montreal, QC.
3. I am a Member of the Geological Association of Canada, a Life Member of the Canadian Institute of Mining, a Life Member of the Prospectors and Developers Association of Canada and a Registered Geoscientist in Ontario and in British Columbia (P.Geo.).
4. I have worked as a geologist for over 50 years since my graduation from university.
5. I am the author responsible for the preparation of the Report titled "Magnetometer Survey Report, Nameigos Township Property, Nameigos Township, District of Algoma, Ontario" and dated 15 December 2015.



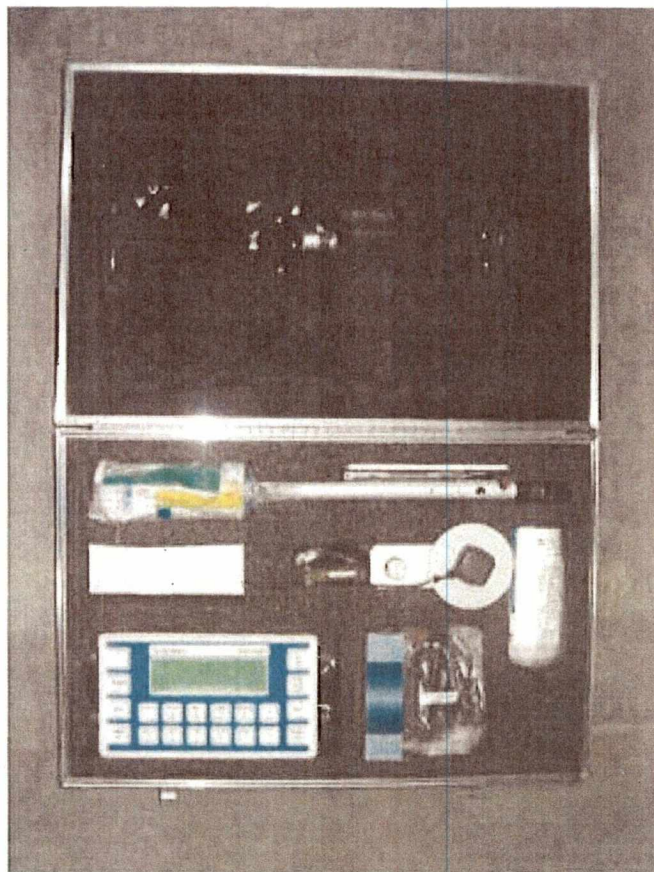
APPENDIX 1

GEOPHYSICAL SURVEY EQUIPMENT SPECIFICATIONS

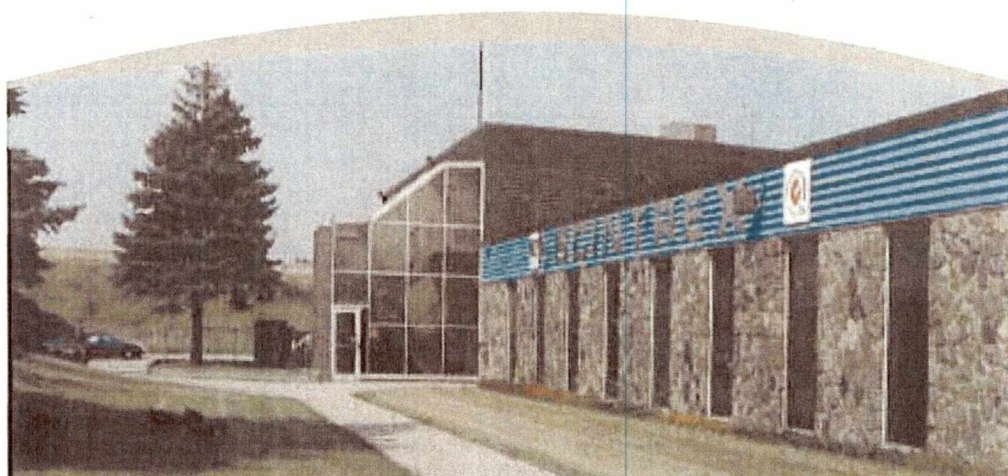
ENVI PRO
Proton Magnetometer
with Integrated GPS



A DIVISION OF LRS



■ Envi Pro system package



222 Snidercroft Road | Concord, L4K 2K1 | Ontario, Canada
 PHONE +1-905-669-2280 FAX +1-905-669-6403
 EMAIL scintrex@scintrexltd.com

WWW.SCINTREXLTD.COM


SCINTREX
 A DIVISION OF LPS
Setting the Standards

ENVI PRO SPECIFICATIONS

TOTAL FIELD OPERATING RANGE	23,000 to 100,000 nT (gamma)
TOTAL FIELD ABSOLUTE ACCURACY	±1 nT (gamma)
SENSITIVITY	0.1 nT (gamma) at 2 second sampling rate
TUNING/ SAMPLING	Fully solid state. Manual or automatic, keyboard selectable Cycling (Reading) Rates 0.5, 1, 2, or 3 seconds
GRADIOMETER OPTION	Includes a second sensor, 0.5m (20 inch) staff extender and processor module
GRADIENT TOLERANCE	> 7000 nT (gamma)/m
'WALKMAG' MODE	Continuous reading, cycling as fast as 0.5 seconds
SUPPLIED GPS ACCURACY	+/- 1m (Autonomous), < 1m WAAS Connects to most external GPS receivers with NMEA & PPS output
STANDARD MEMORY	Total Field Measurements: 84,000 readings Gradiometer Measurements: 67,000 readings Base Station Measurements: 500,000 readings
REAL-TIME CLOCK	1 second resolution, ± 1 second stability over 24 hours or GPS time
DIGITAL DATA OUTPUT	RS-232C, USB Adapter
POWER SUPPLY	Rechargeable, 2.9 Ah, lead-acid dry cell battery 12 Volts External 12 Volt input for base station operations
OPERATING TEMPERATURE	-40°C to +60°C (-40°F to 140°F)
DIMENSIONS & WEIGHT	Console: 250mm x 152mm x 55mm (10" x 6" x 2.25") 2.45 kg (5.4 lbs) with rechargeable battery Magnetic Sensor: 70mm d x 175mm (2.75"d x 7") 1 kg (2.2 lbs) Gradiometer Sensor: 70mm d x 675mm (2.75"d x 26.5") (with staff extender) 1.15 kg (2.5 lbs) Sensor Staff: 25mm d x 2m (1"d x 76") 0.8 kg (1.75 lbs)
OPTIONS	<ul style="list-style-type: none"> • Base Station Accessories Kit • Cold Weather Accessories • Additional Software Packages • Training Programs

All specifications subject to change without notice.



ENVI PRO MAG

The ENVI PRO system when configured as a TOTAL FIELD magnetometer is referred to as the ENVI PRO MAG. In this set up the ENVI PRO system can be operated in a traditional "STOP and MEASURE" mode, thus providing the full sensitivity obtainable with a proton magnetometer, ideally suited for mineral exploration. Alternatively, the ENVI PRO MAG can be operated in the "WALKMAG" mode, where readings may be made continuously at a user selectable rate of up to 2 readings per second. Although this marginally reduces the accuracy, it does allow the user to collect increased volumes of data and cover more area in a shorter period of time. This makes the ENVI PRO MAG a very cost effective tool for environmental surveys. The ENVI PRO MAG provides the following information:

- Total Magnetic Field
- Time/Date of Reading
- Coordinates of Reading either in grid format or GPS format
- Statistical Error of the Reading
- Signal Strength and Decay Rate of the Reading

As a magnetic BASE STATION instrument the ENVI PRO MAG can be set up to record variations of the Earth's magnetic field. Using this information from a stationary ENVI PRO MAG, the total field readings obtained with other field magnetometers can be corrected for these fluctuations, thus improving the accuracy of magnetic data.

All ENVI PRO MAG systems can be operated as either field or base station instruments. The optional base station accessories kit is recommended for base station applications.

ENVI PRO GRAD

The ENVI PRO system configured as an ENVI PRO GRAD enables true simultaneous gradiometer measurements to be obtained. The ENVI PRO GRAD provides an accurate means of measuring both the total field and the gradient of the total field. The system reads the measurements of both sensors simultaneously to calculate the true gradient measurement. In the gradient mode, the ENVI PRO GRAD sharply defines the magnetic responses determined by total field data. It individually delineates closely spaced anomalies rather than collectively identifying them under one broad magnetic response. The ENVI PRO GRAD is well suited for geotechnical and archaeological surveys where small near surface magnetic targets are the object of the survey. In addition, the ENVI PRO GRAD provides the gradient of the total magnetic field.

BENEFITS

The Scintrex ENVI PRO system offers the flexibility to find the increasingly more elusive anomalous targets. A complete ENVI PRO is low cost, lightweight, portable proton precession magnetometer/gradiometer, which enables to survey large areas quickly and accurately.

- Portable Field and Base Station Magnetometer
- True Simultaneous Gradiometer
- GPS Integrated positioning
- Complete with mapping software

Increase Productivity

Sampling rates of 0.5 second, 1 second and 3 seconds can be selected.

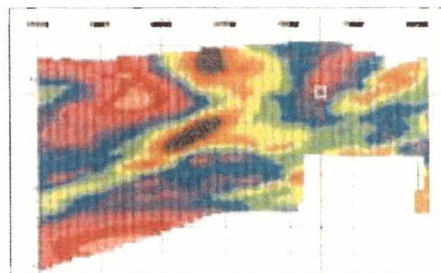
Rapidly Recall Data

For quality of data and for rapid analysis of the magnetic characteristics of the survey line, several modes of review are available. These include the measurements at the last four stations, the ability to scroll through any or all previous readings in memory and a graphic display of the previous data as profiles, line by line.

Simplify Fieldwork

The ENVI PRO system makes surveys easier to conduct:

- Provides simple operator menus
- Presents the data both numerically and graphically
- Calculates statistical error for each measurement
- Provides the ability to remove the coarse magnetic field value or data from the field data to simplify plotting of the field results
- Automatically calculates diurnal corrections
- Allows for hands free operation with the backpack



Data Quality Control and Mapping Software

The software provided offers import and export capabilities, time and date channels, extended spreadsheet, plotting and mapping functionalities. It also includes more advanced

data processing tools, such as merging and appending files, data filtering, and interpolation.

At the core of the ENVI PRO system is a lightweight console with a large display. Included with each system is a GPS antenna, a total field sensor and/or gradiometer sensor, sensor staff, backpack, a rechargeable battery, battery charger, dump cables, utility and mapping software, and a transit case.

APPLICATIONS

Since the ENVI PRO system capabilities are versatile, it can be used in a variety of applications including:

- Mineral Exploration
- Geological Mapping
- Environmental Site Characterization
- Groundwater Exploration
- Groundwater Studies
- Geotechnical Studies
- Civil Engineering
- Archaeology

